SEQUENCE LISTING

<110> HILDEBRAND, DAVID
RAO, SURYADEVARA S.

<120> SOYBEAN SELECTION SYSTEM BASED ON AEC-RESISTANCE

<130> 47100-222154

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<150> PCT/US04/020039
<151> 2004-06-23

<150> 60/483,103
<151> 2003-06-30

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<170> PatentIn Ver. 3.3

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35 40 45

Ala Thr Leu Asn His Asp Glu His Ala Asp Val Val Met Met Thr Leu
50 55 60

Asp Leu Ala Asp Gly Arg Ile Pro Val Ile Ala Gly Thr Gly Ala Asn
65 70 75 80

Ala Thr Ala Glu Ala Ile Ser Leu Thr Gln Arg Phe Asn Asp Ser Gly
85 90 95

Ile Val Gly Cys Leu Thr Val Thr Pro Tyr Tyr Asn Arg Pro Ser Gln
100 105 110

Glu Gly Leu Tyr Gln His Phe Lys Ala Ile Ala Glu His Thr Asp Leu
115 120 125

Pro Gln Ile Leu Tyr Asn Val Pro Ser Arg Thr Gly Cys Asp Leu Leu
130 135 140

Pro Glu Thr Val Gly Arg Leu Ala Lys Val Lys Asn Ile Ile Gly Ile
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Lys Glu Ala Thr Gly Asn Leu Thr Arg Val Asn Gln Ile Lys Glu Leu
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Val Ser Asp Asp Phe Val Leu Leu Ser Gly Asp Asp Ala Ser Ala Leu
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Asp Phe Met Gln Leu Gly Gly His Gly Val Ile Ser Val Thr Thr Asn
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Val Ala Ala Arg Asp Met Ala Gln Met Cys Lys Leu Ala Ala Glu Glu
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His Phe Ala Glu Ala Arg Val Ile Asn Gln Arg Leu Met Pro Leu His
225                 230                 235                 240

Asn Lys Leu Phe Val Glu Pro Asn Pro Ile Pro Val Lys Trp Ala Cys
                245                 250                 255

Lys Glu Leu Gly Leu Val Ala Thr Asp Thr Leu Arg Leu Pro Met Thr
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Pro Ile Thr Asp Ser Gly Arg Glu Thr Val Arg Ala Ala Leu Lys His
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Ala Gly Leu Leu
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Leu Arg Leu Ile Thr Ala Ile Lys Thr Pro Tyr Leu Pro Asp Gly Arg
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Phe Asp Leu Glu Ala Tyr Asp Asp Leu Val Asn Met Gln Ile Gly Gln
     50                  55                  60

Gly Ala Glu Gly Val Ile Val Gly Gly Thr Thr Gly Glu Gly Gln Leu
 65                  70                  75                  80

Met Ser Trp Glu Glu His Ile Ile Leu Ile Ala His Thr Val Asn Cys
                 85                  90                  95

Phe Gly Gly Lys Ile Lys Val Ile Gly Asn Thr Gly Ser Asn Ser Thr
            100                 105                 110

Arg Glu Ala Ile His Ala Thr Glu Gln Gly Phe Ala Val Gly Met His
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Ala Ala Leu His Ile Asn Pro Tyr Tyr Gly Lys Thr Ser Leu Asp Gly
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Met Val Ala His Phe Arg Ser Val Leu Ser Met Gly Pro Thr Ile Ile
145                 150                 155                 160

Tyr Asn Val Pro Ala Arg Thr Gly Gln Asp Ile Pro Pro His Val Ile
                165                 170                 175

Gln Thr Leu Ala Glu Ser Val Asn Leu Ala Gly Val Lys Glu Cys Val
            180                 185                 190

Gly Asn Asp Arg Ile Lys Gln Tyr Thr Asp Asp Gly Ile Val Val Trp
        195                 200                 205

Ser Gly Asn Asp Asp Gln Cys His Asp Ala Arg Trp Gly Tyr Gly Ala
    210                 215                 220

Thr Gly Val Val Ser Val Ala Ser Asn Leu Val Pro Gly Leu Met Arg
225                 230                 235                 240

Glu Leu Met Phe Gly Gly Val Asn Pro Thr Leu Asn Ser Lys Leu Leu
                245                 250                 255

Pro Leu Ile Asp Trp Leu Phe His Met Pro Asn Pro Ile Gly Leu Asn
            260                 265                 270

Thr Ala Leu Ala Gln Leu Gly Val Ile Arg Pro Val Phe Arg Leu Pro
        275                 280                 285

Phe Val Pro Leu Pro Val Asp Lys Arg Ile Glu Phe Ala Asn Leu Val
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Lys Glu Ile Gly Arg Glu His Phe Val Gly Asn Lys Val Val Glu Val
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Leu Asp Asp Asp Asp Phe Phe Leu Val Ser Arg Tyr
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His Ile Ile Leu Ile Ala His Thr Val Asn Cys Phe Gly Gly Lys Ile
         35                  40                  45

Lys Val Ile Gly Asn Thr Gly Ser Asn Ser Thr Arg Glu Ala Ile His
     50                  55                  60
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Ala Thr Glu Gln Gly Phe Ala Val Gly Met His Ala Ala Leu His Ile
 65                  70                  75                  80

Asn Pro Tyr Tyr Gly Lys Thr Ser Leu Asp Gly Met Val Ala His Phe
                 85                  90                  95

Arg Ser Val Leu Ser Met Gly Pro Thr Ile Ile Tyr Asn Val Pro Ala
            100                 105                 110

Arg Thr Gly Gln Asp Ile Pro Pro His Val Ile Gln Thr Leu Ala Glu
        115                 120                 125

Ser Val Asn Leu Ala Gly Val Lys Glu Cys Val Gly Asn Asp Arg Ile
    130                 135                 140

Lys Gln Tyr Thr Asp Asp Gly Ile Val Val Trp Ser Gly Asn Asp Asp
145                 150                 155                 160

Gln Cys His Asp Ala Arg Trp Gly Tyr Gly Ala Thr Gly Val Val Ser
                165                 170                 175

Val Ala Ser Asn Leu Val Pro Gly Leu Met Arg Glu Leu Met Phe Gly
            180                 185                 190

Gly Val Asn Pro Thr Leu Asn Ser Lys Leu Leu Pro Leu Ile Asp Trp
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Leu Phe His Met Pro Asn Pro
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